Music recordings
Houses of worship and conferencing
Theatre on stage recording
Broadcasting

- Hemispherical polar pattern
- Pressure Zone Microphone® design prevents coloration from surface sound reflections
- Switchable dual-frequency response offers a choice of flat response or rising high-frequency response
- PZM®-30D uses a rugged detachable cable.
- PZM®-6D is smaller, lighter, and has a permanently attached cable

PZM-6D
PZM-30D

The PZM®-30D and the PZM®-6D are Pressure Zone Microphones®. Both are designed for professional recording, sound reinforcement and broadcasting. They have many applications, from miking full orchestras or individual musical instruments to security or teleconferencing.

Each mic has a switchable dual frequency response: rising (R) or flat (F). The "rising" position adds brilliance. This makes it useful wherever a crisp attack is desired, such as on percussion, drums, or piano. The user can get a bright sound without boosting high frequencies on the recording console; the result is lower noise. The "flat" position provides a smooth, flat, high-frequency response for natural sound reproduction.

The PZM®-30D is sturdy and reliable because it can be used with a rugged detachable cable. The PZM®-6D has a smaller plate. Its low profile, unobtrusive appearance is appreciated in conference rooms, as well as on television, film and video productions. When suspended over an orchestra on a clear panel, the PZM®-6D practically disappears. Its miniature, permanently attached 4.6 m (15-ft.) cable also reduces visual clutter.

The output of either mic is a male 3-pin XLR-type, balanced and low impedance, which permits long cable runs without hum pickup or high-frequency loss.

Like other Pressure Zone Microphones, the PZM®-30D and PZM®-6D utilize the Pressure Recording Process in which a miniature condenser microphone capsule is positioned very close to a sound-reflecting plate or boundary. The capsule is mounted in the "Pressure Zone" just above the boundary, a region where sound coming directly from the sound source combines in phase with sound reflected off the boundary. The benefits are excellent clarity and "reach," a hemispherical polar pattern, uncolored off-axis response, and a wide smooth frequency response free of phase interference.
Specifications:

Polar pattern: hemispherical
Frequency response: 20 Hz to 20,000 Hz
Impedance: 240 ohms
Maximum SPL: 150 dB
Finish: black
Cable:
- PZM-30D: None supplied; use 2-conductor Shielded microphone cable.
- PZM-6D: Permanently attached 4.58-m (15-foot) black cable with XLRM connector. Model PZM-6D has a 1.83 m (6-foot) cable.

Item number:
- PZM-6D: 6000H50010
- PZM-30D: 6000H50020

Architects' and Engineers' Specifications

PZM®-30D: The microphone shall be the PZM®-30D or equivalent. The microphone shall have a hemispherical pattern (when used on an infinite boundary). The element shall be a subminiature electret type of rugged construction. A smooth frequency response from 20 Hz to 20 kHz shall be obtained. The response shall be switch-selectable between flat (F) or rising (R). The microphone shall employ the patented PRP principle for maintaining phase coherency, thus eliminating comb filtering in the audible spectrum. The PZM®-30D shall have a sensitivity of –43 dBV/Pa. The microphone shall accept 150 dB SPL input while contributing no greater than 3% THD (open circuit termination). Equivalent noise shall be typically 20 dBA re .0002 dyne/cm². The microphone color shall be black. The microphone connector shall be a male 3-pin XLR-type. The Crown PZM-30D is specified.

PZM®-6D: The microphone shall be the Crown PZM-6D or equivalent. The microphone shall have a hemispherical pattern (when used on an infinite boundary). The element shall be a subminiature electret type of rugged construction. A smooth frequency response from 20 Hz to 20 kHz shall be obtained. The response shall be switch-selectable between flat (F) or rising (R). The microphone shall employ the patented PRP principle for maintaining phase coherency, thus eliminating comb filtering in the audible spectrum. Permanently attached to the microphone is a fifteen-foot black cable with an XLRM connector. The PZM®-6D shall have a sensitivity of –43 dBV/Pa. The microphone shall accept 150 dB SPL input while contributing no greater than 3% THD (open circuit termination). Equivalent noise shall be typically 20 dBA re .0002 dyne/cm². The microphone color shall be black. The microphone connector shall be a male 3-pin XLR-type. The PZM®-6D is specified.

www.akg.com
AKG Acoustics GmbH
Lambacher Gasse 21-25, 1230 Vienna / AUSTRIA, phone: + 43 1 86654 0
e-mail: sales@akg.com

AKG Acoustics, U.S.
8400 Balboa Boulevard, Northridge, CA 91329, U.S.A., phone: + 1 818 920 3212
e-mail: akgusa@harman.com

For other products and distributors worldwide visit www.akg.com
Specifications subject to change without notice.

A Harman International Company